Index of Claims

| App | lication | /Control | No. |
|-----|----------|----------|-----|
|     |          |          |     |

10/061,150

Examiner

F. Daniel Lopez

MIYAMOTO ET AL. **Art Unit** 

Applicant(s)/Patent under Reexamination

3745

|   | <b>√</b> | Rejected |
|---|----------|----------|
| Ì | 1        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

|   | A | Appeal   |
|---|---|----------|
| [ | C | Objected |

| Cla         | aim  | Date           |          |  |          |              |                                     |          |  |                 |
|-------------|--|----------------|----------|--|----------|--------------|-------------------------------------|----------|--|-----------------|
| Final       | Original   | 12/23/20       |          |  |          |              |                                     |          |  |                 |
|             |  |                |          | _  | L        | L            | L                                   |          | L  | 上               |
|             | 1<br>2<br>3<br>4<br>5<br>6<br>7                          | 1              | _        | <u> </u>   | <u> </u> | <b>L</b> .   | ļ.,                                 | -        | _  | ┞               |
|             | 2  | H              | ⊢        | ⊢  | ⊢        | ┢            | ⊢                                   | ┢        | <b>├</b>   | ⊢               |
|             | 3  | H              | ⊢        | ⊢  | ⊢        | ╁            | ├                                   | ╂        | ├  | ├               |
|             | 5  | Н              | -        | ┢  | ╁        | ⊢            | ├                                   | $\vdash$ | ├  | ⊢               |
|             | 5  | ╁╅             |          | ╁  | ╁        |              | $\vdash$                            | ┢        | ╁  | $\vdash$        |
| <del></del> | 7  | H              | ╀─       | ⊢  | ╁        | $\vdash$     | $\vdash$                            | ⊢        | ╁  | $\vdash$        |
|             | 8  | Н              | H        | H  | ├-       | ╁            | $\vdash$                            | H        | ┢  | 一               |
|             | 9  | Н              |          | $\vdash$   | t        | H            | $\vdash$                            | H        | $t^-$  |                 |
|             | 10   | H              |          | f  |          | T            | T                                   | $\vdash$ |  | <b>†</b>        |
|             | 11   | H,             | -        | ⇈  | T        | T            | T                                   | T        |  |                 |
|             | 12   | ∀              |          | Г  | Г        | Т            | Т                                   | T        | T  |                 |
|             | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19 | Ĭ              |          |  |          |              |                                     | Г        |  | П               |
|             | 14   |                |          |  |          |              |                                     |          |  |                 |
|             | 15   |                |          |  | $\Box$   |              |                                     |          |  |                 |
|             | 16   |                |          |  |          |              |                                     |          |  |                 |
|             | 17   |                | L        | 匚  | L        |              | L                                   |          |  |                 |
|             | 18   |                |          | ┖  |          | L            |                                     | <u></u>  | ᆫ  | ot              |
|             | 19   |                | L        | ᆫ  |          | <u> </u>     |                                     |          | oxdot  | L.              |
|             | 20   | _              | L        | <u> </u>   | L.       | <u> </u>     | L                                   | <u> </u> | L  | $\perp$         |
|             | 21<br>22<br>23   | <u> </u>       | _        | <u> </u>   | <u> </u> | ļ.,          | <u> </u>                            | <u> </u> | _  | $\vdash$        |
|             | 22   | -              |          | ⊢  | ⊢        | ┞            | ļ                                   | ļ        | ⊢  | $\vdash$        |
|             | 23   | _              | <u> </u> | <u> </u>   |          | ⊢            | _                                   | L        | <u> </u>   | -               |
|             | 24<br>25   | H              | <b>-</b> | -  | _        | ⊢            | H                                   | ┝        | H  | -               |
|             | 26   | ⊢              | -        | ├  |          | ╢            | ⊢                                   | ⊢        | ⊢  | ┢┥              |
|             | 27   | $\vdash$       | ⊢        | -  | ├        | ┢            | ┢                                   | ⊢        | <u> </u>   | $\vdash$        |
|             | 27<br>28   | ⊢              | ├─       | ⊢  | $\vdash$ | $\vdash$     | ⊢                                   | ┝╌       | ├  | Н               |
|             | 29   | $\vdash$       | H        | ┢╾   | -        | $\vdash$     | ⊢                                   | ⊢        | ├  | -               |
|             | 30   | $\vdash$       | $\vdash$ | $\vdash$   | ├        | $\vdash$     | ┢                                   | ┢        | -  | Н               |
|             | 30<br>31   | $\vdash$       | Н        | $\vdash$   | $\vdash$ | <del> </del> | $\vdash$                            | $\vdash$ | $\vdash$   | Н               |
|             | 32   | Г              | г        | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$                            | $\vdash$ | <del>                                     </del> | Н               |
|             | 32<br>33   | Г              | Т        | $\vdash$   | ┢        | $\vdash$     | $\vdash$                            | $\vdash$ |  | H               |
|             | 34   |                | П        | $\vdash$   | $\vdash$ | $\vdash$     | Т                                   | Г        | <del>                                     </del> | П               |
|             | 35   |                |          | F  |          |              | Г                                   | Г        | Г  | П               |
|             | 36   |                |          |  |          |              | Г                                   | Г        | Г  | П               |
|             | 37   |                |          |  |          |              |                                     |          |  |                 |
|             | 38   |                |          |  |          |              |                                     |          |  |                 |
|             | 39   |                |          |  |          |              |                                     |          |  |                 |
|             | 40   |                |          |  |          |              |                                     |          |  |                 |
|             | 41   |                |          |  |          |              |                                     |          |  |                 |
|             | 42   | Ш              | _        |  | L        | <u> </u>     | $\vdash$                            | L        | _  | $\sqcup$        |
|             | 43   | Щ              |          | Ш  |          | <u> </u>     | <u>L</u>                            |          | L  | Щ               |
|             | 44   | Ь              |          |  | _        | <u> </u>     | <u> </u>                            |          | <u> </u>   | Щ               |
|             | 45   | Щ              |          | _  | _        | <u> </u>     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _        | _  | Ш               |
|             | 46   | $\vdash\vdash$ |          |  | L        | -            | <u> </u>                            | <u> </u> | <u> </u>   | $\vdash \dashv$ |
| _           | 47<br>48   | Ш              |          | -  | _        | <b>-</b>     | Ι.                                  | <u> </u> | <u> </u>   | Н               |
|             | 48   | $\vdash$       | _        | -  | <u> </u> | $\vdash$     | -                                   |          | _  | $\vdash \dashv$ |
|             | 50   | Н              |          | -  | —        | $\vdash$     | —                                   |          | -  | Н               |

| Cla      | aim      |          |          |                                     |          | Date          | <u> </u>   |          |          |          | 1        | Cla      | im       |  |          |        |          | Date     | е            |          |          | $\neg$   |
|----------|----------|----------|----------|-------------------------------------|----------|---------------|------------|----------|----------|----------|----------|----------|----------|--|----------|--------|----------|----------|--------------|----------|----------|----------|
|          |          | _        | Г        | <u> </u>                            | Γ        | Ī             | -          |          | Г        |          | 1        |          |          | П  |          |        | T        | <u> </u> | T            | Г        |          | Г        |
| ā        | Original | 12/23/20 |          |                                     |          |               |            |          | 1        | ĺ        | 1        | <u>ज</u> | Original |  | 1        |        |          |          |              |          |          |          |
| Final    | rig      | 12       |          |                                     | ļ        | 1             |            |          |          | l        | ]        | Final    | rig      | l  | l        |        | l        |          |              |          |          |          |
|          | 0        | =        |          |                                     | ĺ        |               |            |          |          | Į        |          |          | 0        | l  |          |        |          |          |              |          |          |          |
|          | 1        | 1        |          |                                     | Т        | Т             | Т          | Т        | $\vdash$ | $\vdash$ | 1        |          | 51       | $\vdash$   |          |        |          |          |              |          |          |          |
|          | 2        | 1        |          |                                     |          |               |            |          |          |          | 1        |          | 52       | T  |          |        | _        | _        | Т            |          | $\vdash$ | П        |
|          | 3        | $\sqcap$ | Г        |                                     |          |               |            |          | 1        | Т        | 1        |          | 53       | T  |          |        | _        |          | ┪            | $\vdash$ | $\vdash$ | П        |
|          | 4        | П        | Т        |                                     |          | Г             | _          |          | 1        | ┢        | 1        |          | 54       | $\vdash$   | _        | _      | _        | $\vdash$ |              |          | $\vdash$ | П        |
|          | 5        | П        |          |                                     | Г        |               | Г          | Г        |          | Г        | 1        |          | 55       | Г  |          |        |          | Т        |              |          | $\vdash$ | П        |
|          | 6        | П        | _        | Г                                   |          |               | Г          |          |          | Г        | 1        |          | 56       | Г  |          |        |          |          | $\vdash$     |          |          | П        |
|          | 7        | П        | Π        | П                                   | П        | Г             | П          | П        |          | Г        | 1        |          | 57       |  |          |        |          |          |              |          |          | П        |
|          | 8        | П        |          |                                     |          | Г             |            |          |          | Г        | 1        |          | 58       | Г  | Г        |        |          |          |              |          |          | П        |
|          | 9        | П        |          | Γ                                   |          |               |            | Г        | Π        | Г        | 1        |          | 59       |  |          |        |          |          |              |          |          | П        |
|          | 10       | $\Box$   |          |                                     |          |               |            |          |          |          | ]        |          | 60       |  |          |        |          |          | Г            |          |          | П        |
|          | 11       |          | 1        |                                     |          |               |            |          |          |          | ]        |          | 61       |  |          |        |          |          |              |          |          | П        |
|          | 12       | 7        |          |                                     |          |               |            |          |          |          | ]        |          | 62       |  |          |        |          |          |              |          |          |          |
|          | 13       | 7        |          |                                     |          |               |            |          |          |          | ]        |          | 63       |  |          |        |          |          |              |          |          |          |
|          | 14       |          |          |                                     |          | <u> </u>      |            |          |          |          |          |          | 64       |  |          |        |          |          |              |          |          |          |
|          | 15       |          |          | <u> </u>                            |          |               |            |          |          |          | ]        |          | 65       |  |          |        |          |          |              |          |          |          |
|          | 16       |          | <u> </u> | L                                   | L        |               |            |          |          |          | ]        |          | 66       |  |          |        |          |          |              |          |          |          |
|          | 17       |          | ᆫ        | ᆫ                                   | _        |               |            |          | L        |          | Į        |          | 67       |  |          |        |          |          |              |          |          |          |
|          | 18       |          |          | ┕                                   | L        | <u> </u>      | _          | _        | L        | L        |          |          | 68       | $ldsymbol{ld}}}}}}$ |          |        |          |          |              |          |          | Ш        |
|          | 19       |          | L        | 乚                                   | <u> </u> |               |            |          | <u> </u> | L.       | ]        |          | 69       | ot   |          |        |          |          | $oxed{oxed}$ |          |          |          |
|          | 20       |          | Щ        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | _             |            | L        | L        | <u>_</u> | ]        |          | 70       |  |          |        | _        | <u></u>  | _            | _        | Ш        | Ш        |
|          | 21       |          | L        | _                                   | <u> </u> |               |            | _        | L        | L        | ]        |          | 71       | 匚  |          |        |          | L        |              | L        |          | Ш        |
|          | 22       |          |          | <u> </u>                            | <u> </u> | L             | ļ          |          | ┖        |          | Į        |          | 72       | _  |          |        | L        | _        | Щ            |          |          |          |
|          | 23       |          | L        | L                                   |          | 匚             |            |          | _        | L_       | Į        |          | 73       |  |          |        |          | L_       | ot           |          |          | Ш        |
|          | 24       |          | Ļ.,      | _                                   | L        | Щ             | lacksquare |          | _        |          | <u> </u> |          | 74       |  |          |        |          |          |              |          |          |          |
|          | 25       | _        |          | L                                   | L        | _             |            | _        | _        | <u> </u> | Į l      |          | 75       | Щ  |          |        |          |          | $oxed{oxed}$ |          |          |          |
|          | 26       | _        | <u> </u> | _                                   | _        |               |            |          | L        | _        |          |          | 76       | Ш  |          |        |          | L        | L            | Ш        |          |          |
| _        | 27       | Щ        | <u> </u> | L                                   | Ш        |               |            | <u> </u> |          | _        | Į        |          | 77       | _  |          |        |          |          | Ш            | Ш        |          |          |
|          | 28       |          | <u> </u> | <u> </u>                            | _        | $oxed{oxed}$  |            |          | ļ.,      |          | Į I      |          | 78       | Щ  |          |        |          |          |              |          |          | Щ        |
|          | 29       |          | _        | L                                   |          |               |            |          | <u> </u> | <u> </u> | Į        |          | 79       | Щ  |          |        |          | _        |              | L i      |          | Щ        |
|          | 30       | $\vdash$ | _        | ┡                                   | _        |               |            |          |          |          | Į        |          | 80       | Щ  |          |        |          | L.       |              |          |          | Ш        |
|          | 31       |          | <u> </u> | -                                   | _        | _             | $\vdash$   | $\vdash$ | _        | _        |          |          | 81       |  | Ш        |        |          | _        | Ш            | Щ        |          |          |
|          | 32<br>33 |          | _        | <u> </u>                            |          |               |            | <u> </u> |          |          | 1        |          | 82       | $\vdash$   |          |        |          | _        |              |          |          | Щ        |
| _        | 33       |          | H        | -                                   |          |               |            | <u> </u> | _        | <u> </u> |          |          | 83       |  | _        | _      |          |          | Ш            | Щ        |          |          |
| -        | 34<br>35 | Н        | H        | $\vdash$                            | H        | <del>  </del> | $\vdash$   | -        | $\vdash$ | $\vdash$ |          | $\vdash$ | 84       | Н  | Н        |        |          | <b> </b> | Н            | $\vdash$ |          | Н        |
|          | 36       |          | H        | $\vdash$                            | -        |               | H          | <u> </u> | Н        | _        |          | -        | 85<br>86 | Н  | $\vdash$ |        |          | <b> </b> | Н            | $\vdash$ | -        | 닉        |
|          | 37       |          | $\vdash$ | $\vdash$                            | $\vdash$ |               | _          | -        | $\vdash$ | _        |          |          | 87       | Н  | $\dashv$ |        |          | -        | Н            | Н        | -        | $\dashv$ |
|          | 38       |          | $\vdash$ | $\vdash$                            | Н        | H             | -          | -        | $\vdash$ | -        |          |          | 88       | Н  | $\dashv$ | _      | -        | $\vdash$ |              |          | $\dashv$ | $\dashv$ |
| $\dashv$ | 39       |          | $\vdash$ | -                                   | Н        |               |            | -        | $\vdash$ | -        |          | $\vdash$ | 89       | Н  | $\vdash$ | -      |          |          |              | $\vdash$ | $\dashv$ | $\dashv$ |
|          | 40       |          | H        | $\vdash$                            | Н        | -             | -          | $\vdash$ | $\vdash$ |          |          | $\vdash$ | 90       | $\vdash$   | $\vdash$ | -      | $\dashv$ | -        | $\vdash$     | $\vdash$ | $\dashv$ | $\dashv$ |
| $\dashv$ | 41       | -        |          | $\vdash$                            | $\vdash$ | H             | —          | -        | H        |          |          |          | 91       | Н  | $\dashv$ | -      | $\vdash$ | -        | $\vdash$     |          |          | -        |
|          | 42       |          |          |                                     | Н        | $\vdash$      |            | Н        | H        | _        |          |          | 92       | Н  |          |        | Н        | $\dashv$ | $\vdash$     | $\vdash$ | $\dashv$ | $\dashv$ |
| $\dashv$ | 43       | $\dashv$ | -        |                                     | $\vdash$ | $\vdash$      | Н          | -        | Н        |          |          |          | 93       | Н  |          |        | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | -        | $\dashv$ |
| $\dashv$ | 44       |          |          |                                     |          | $\dashv$      | Н          |          | Н        |          |          |          | 94       | Н  |          |        | -        | Н        | $\vdash$     | $\vdash$ | $\dashv$ | $\dashv$ |
| $\dashv$ | 45       | _        |          | П                                   |          |               |            |          | Н        |          |          |          | 95       | $\vdash$   | $\neg$   | $\neg$ |          | $\vdash$ | $\dashv$     |          | $\dashv$ | $\dashv$ |
|          | 46       |          |          | П                                   |          | $\neg$        | $\Box$     |          | Н        |          |          | $\neg$   | 96       | $\vdash$   | $\neg$   | _      | $\neg$   | $\vdash$ | $\dashv$     | $\dashv$ | $\dashv$ | $\dashv$ |
| $\neg$   | 47       |          |          |                                     |          | $\neg$        | $\neg$     |          | М        |          | 1        |          | 97       | Н  | $\dashv$ |        |          | $\vdash$ | $\vdash$     | $\dashv$ | $\dashv$ | $\dashv$ |
| 一        | 48       |          |          |                                     |          | _             |            |          | Н        |          |          |          | 98       | $\dashv$   | $\dashv$ | ٦      |          | $\vdash$ | $\dashv$     | $\dashv$ | -        | ᅱ        |
| $\dashv$ | 49       |          |          |                                     | $\dashv$ | $\neg$        |            |          |          |          | 1        |          | 99       |  |          | _      |          |          |              |          | 一        | ᅥ        |
| ヿ        | 50       |          |          |                                     |          | $\neg$        |            |          |          |          |          | $\neg$   | 100      | Н  |          |        |          | $\Box$   |              |          | $\dashv$ | $\dashv$ |
|          |          |          |          |                                     |          |               |            | _        |          |          |          |          |          |  |          |        |          |          |              |          |          |          |

| Cli          | aim                             | Date         |          |                                     |            |          |          |          |               |        |
|--------------|---------------------------------|--------------|----------|-------------------------------------|------------|----------|----------|----------|---------------|--------|
|              |                                 |              |          |                                     |            |          |          |          |               | П      |
| <u>_</u>     | Original                        |              |          |                                     |            | l        |          |          |               |        |
| Final        | .g                              |              |          |                                     |            | l        |          |          |               | ll     |
|              | 0                               |              |          |                                     |            | l        |          |          |               |        |
|              | 101                             | ┢            | ┢        | ╁                                   | $\vdash$   | ⊢        | $\vdash$ | $\vdash$ | -             | Н      |
|              | 101<br>102                      | <del> </del> | ┢        | ┢                                   | -          | ├        | -        | -        |               | Н      |
| _            | 102                             | -            | ⊢        | ⊢                                   | $\vdash$   | ┢        | ┝        | ⊢        | $\vdash$      | Н      |
| _            | 103<br>104<br>105               | $\vdash$     | ⊢        | -                                   | ┢          | -        | -        | ├        | ├             | Н      |
|              | 105                             | H            | -        | $\vdash$                            | $\vdash$   | H        | ⊢        | $\vdash$ | $\vdash$      | Н      |
| $\vdash$     | 105                             | ├            | ⊢        | $\vdash$                            | ┝          | $\vdash$ | $\vdash$ | ⊢        | -             | Н      |
| <u> </u>     | 106<br>107                      | ├─           | ⊢        | ⊢                                   | $\vdash$   | -        | ├        | -        | ⊢             | Н      |
| $\vdash$     | 107                             | $\vdash$     | -        | ⊢                                   | ⊢          | $\vdash$ | ⊢        | ⊢        | ⊢             | Н      |
|              | 108<br>109                      | ├            | ⊢        | ┝                                   | ┡          | ⊢        | ⊢        | ⊢        | ⊢             | Н      |
|              | 109                             | ⊢            | $\vdash$ | ┝                                   | _          | -        | ├        | ├        | -             | Н      |
| $\vdash$     | 110                             | -            | -        | ┝                                   |            | -        | <u> </u> | -        | -             | Н      |
|              | 111<br>112<br>113<br>114<br>115 | $\vdash$     | $\vdash$ | $\vdash$                            | ⊢          |          |          | ├        |               |        |
| <u> </u>     | 112                             | $\vdash$     | $\vdash$ | -                                   | <b>—</b>   | $\vdash$ | $\vdash$ | ⊢        | $\vdash$      | Н      |
| <u> </u>     | 113                             | ⊢            | <u> </u> | -                                   | <b> </b> - | <u> </u> | <u> </u> | <u> </u> | <u> </u>      | Ш      |
| igspace      | 114                             | <u> </u>     | <u> </u> | <b> </b>                            | <u> </u>   | <u>_</u> | Ь        | _        | _             | Ш      |
| <u> </u>     | 115                             | <u> </u>     | <b>—</b> | <u> </u>                            |            | <u> </u> | <u> </u> | <u> </u> | Щ             | Щ      |
| <u> </u>     | 116                             | <u> </u>     | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _          | <u> </u> | <u> </u> | <u> </u> | $\perp$       | Ш      |
| $oxed{oxed}$ | 117<br>118<br>119               | L_           | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |            | <u> </u> | <u> </u> | oxdot    | Ш             | Ш      |
|              | 118                             |              |          | _                                   | L          |          |          | _        |               | Ш      |
|              | 119                             |              |          |                                     |            |          |          | <u> </u> |               |        |
|              | 120<br>121                      | <u> </u>     |          |                                     |            | L        |          |          |               |        |
|              | 121                             |              | L        |                                     |            | L        | L        | L        |               |        |
|              | 122                             |              |          |                                     |            |          | L        |          |               |        |
|              | 123                             |              |          |                                     |            |          |          |          |               |        |
|              | 122<br>123<br>124               |              |          |                                     |            |          |          |          |               |        |
|              | 125<br>126<br>127               |              |          |                                     |            |          |          |          |               |        |
|              | 126                             |              |          |                                     |            |          |          |          |               |        |
|              | 127                             |              |          |                                     |            |          |          |          |               |        |
|              | 128<br>129<br>130               |              |          |                                     |            |          |          |          |               |        |
|              | 129                             |              |          |                                     |            |          |          |          |               |        |
|              | 130                             |              |          |                                     |            |          |          |          |               |        |
|              | 131                             |              |          |                                     |            |          |          |          |               |        |
|              | 131<br>132                      |              |          |                                     |            |          |          |          |               |        |
|              | 133                             |              |          |                                     |            |          |          |          |               |        |
|              | 134<br>135                      |              |          |                                     |            |          |          |          |               |        |
|              | 135                             |              |          |                                     |            |          |          |          |               |        |
|              | 136                             |              |          |                                     |            |          |          |          |               |        |
|              | 136<br>137                      |              |          |                                     |            |          |          |          |               |        |
|              | 138                             |              |          |                                     |            |          |          |          |               |        |
|              | 139                             |              |          |                                     |            |          |          |          |               |        |
|              | 140                             |              |          |                                     |            |          |          |          |               |        |
|              | 141                             |              |          |                                     |            |          |          |          |               |        |
|              | 142                             |              |          |                                     |            |          |          |          |               |        |
|              | 143                             |              |          |                                     |            |          |          |          |               |        |
|              | 144                             |              |          |                                     |            |          |          |          |               |        |
|              | 145                             |              |          |                                     |            |          |          |          |               |        |
|              | 146                             |              |          | $\Box$                              |            |          |          |          |               |        |
|              | 147                             |              |          | $\Box$                              |            | П        |          |          |               | $\neg$ |
|              | 148                             |              |          |                                     |            |          |          |          |               | $\neg$ |
|              | 149                             |              |          |                                     |            |          |          |          | М             | $\neg$ |
|              | 150                             |              |          |                                     |            |          |          |          |               | $\neg$ |
|              |                                 | _            |          |                                     |            |          | _        |          | $\overline{}$ |        |